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cont.
--9. The rotary electric machine according to claim 1, wherein the coolant tube and the damping member are formed separately, and wherein the coolant tube is sandwiched between the stator core and the damping member in a radial direction.--

--10. The rotary electric machine according to claim 9, wherein the damping member contacts an inner surface of the housing.--

--11. The rotary electric machine according to claim 1, wherein the coolant tube is adjacent to and in contact with the stator core in a radial direction.--

--12. The rotary electric machine according to claim 1, wherein the damping member and the coolant tube are formed integrally into a single unit that has vibration damping performance and allows the coolant to flow therethrough.--

--13. A rotary electric machine mounted on a vehicle, comprising:
a stator including a stator core and an armature coil that is wound around the stator core and has a coil end protruding from the stator core in an axial direction;
a rotor arranged opposite to the stator core;
a housing supporting the stator and the rotor; and
a stator coolant passage means provided on an outer peripheral surface of the stator core, the stator coolant passage means having a damping member and a stator coolant tube defining a stator coolant passage for flowing coolant therethrough, wherein the damping member is constructed of a pair of plate-like damping members, and at least one of the plate-like damping members has a groove on a surface thereof for defining the stator coolant passage.--

--14. A rotary electric machine mounted on a vehicle, comprising:
a stator including a stator core and an armature coil that is wound around the stator core and has a coil end protruding from the stator core in an axial direction;
a rotor arranged opposite to the stator core;
a housing supporting the stator and the rotor; and